

POLUOS' MAK, N., pre~~podavat~~^l

Discussion class. Prof.-tekhn. obr. 19 no.8:12 Ag '62. (MIRA 15:12)

1. Uchilishche mekhanizatsii sel'skogo khozyaystva No.13,
Saratovskaya oblast'.

(Farm mechanization—Study and teaching)

KONOPOLEVA, V.P.; DUKHNOVSKIY, P.G.; POLUPAN, P.N.; SANDAKOVA, Ye.V.; KHINKULOVA, N.A.

Observation of minor planets made at the Kiev Astronomical Observatory.
Publ. Kiev. astron. obser. no. 5:169-192 '53. (MLRA 7:6)
(Planets, Minor)

POLUPAN, P.N., starshiy nauchnyy sotrudnik.

Photometry of images of the corona in line λ 5303^A. Astron.
tsir. no.141:5-8 S '53 (MIRA 7:7)

1. Astronomicheskaya observatoriya Kievskogo gosuniversiteta.
(Sun--Corona)

KONOPOLEVA, P.V.; DUKHNOVSKIY, P.G.; POLUPAN, P.N.; SANDAKOVA, Ye.V.;
KHINKULOVA, N.I.

Observations of minor planets and comets at the astrophysical
observatory of Kiev State University in 1951. Publ. Kiev. astron.
obser.no.6:91-111 '54. (MLRA 9:4)
(Planets, Minor) (Comets)

POLUPAN, P. V.

USER/ Astronomy - Solar corona

Card 1/1 Pub. 8 - 9/13

Authors : Polupan, P. N.

Title : Photometry of the solar corona at its green line $\lambda = 5303\text{\AA}$

Periodical : Astron. zhur. 32/1, 72-78, Jan-Feb 1955

Abstract : Results of a photometric treatment of pictures of the solar corona at its green line, $\lambda \approx 5303\text{\AA}$ are presented. The photographs were taken by the expedition to Chile, organized by the Kiev University, during the total solar eclipse on 25 February, 1952. Photographs were taken with a prismatic camera. Six references: 1 German and 5 USSR (1936-1952). Tables; graphs; diagrams.

Institution : Kiev State University, Astronomical observatory

Submitted : October 27, 1954

POLUPAN, P. N.

"Photometry of the Solar Corona in the Green Line 5303A"

(Total Eclipse of the Sun, February 25, 1952 and June 30, 1954; Transactions of the
Expedition to Observe Solar Eclipses) Moscow, Izd-vo AN SSSR, 1956. 357 p.

POLUPAN, P.N.

PHASE I BOOK EXPLOITATION SOV/3614

Kiyev. Universitet. Astronomicheskaya observatoriya
Tsirkulyar, No. 69 (Circular, No. 69) Kiyev, 1959. 19 p. 500 copies
printed.

Editorial Board: A.F. Bogorodskiy, Docent (Resp. Ed.), D.V.
Pyaskovskiy, Professor, A.A. Yakovkin, Professor; Tech. Ed.:
T.I. Khokhanovskaya.

PURPOSE: The booklet is intended for astronomers. It may also be
of interest to engineers working on the design and construction
of astronomical instruments.

COVERAGE: This booklet contains two articles. The first treats in
detail tests on the diffractional spectrograph at the Astronomi-
cheskaya observatoriya Kiyevskogo universiteta (Observatory of
the Kiyev University), while the second describes the work done at
the Observatory on the spectrophotometry of chromospheric flares.
No personalities are mentioned. References accompany both articles.

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Circular, No. 69

SOV/3614

TABLE OF CONTENTS: None given [book divided as follows].

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AVAILABLE: Library of Congress

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POLUPAN, P.N.

Photometry of corona images in the green line $\lambda 5303 \text{ } \text{\AA}$.
(MIRA 14:9)
Publ.KAO no.8:38-51 '59.
(Sun corona)

S/269/63/000/003/031/036
A001/A101

AUTHOR: Polupan, P. N.

TITLE: The spectrophotometry of chromospheric flares

PERIODICAL: Referativnyy zhurnal, Astronomiya, no. 3, 1963, 53, abstract
3.51.398 ("Tsirkulyar Astron. observ. Kiyevsk. un-ta", 1959,
no. 69, 16 - 20)

TEXT: The author reports on the beginning of flare studies at the observatory of the Kiyev University. The diffraction spectrograph of a horizontal solar telescope with 0.8 A/mm dispersion in the 3rd order makes it possible to obtain, in 1 - 2 min, spectrograms of flares in 14 portions of spectrum from H α to Balmer continuum. Presented are some preliminary results of processing the most successful spectra of flares observed on May 31 and August 9, 29 and 30, 1956.

E. G.

[Abstracter's note: Complete translation]

Card 1/1

POLUPAN, P.N.

Spectrophotometry of the chromospheric limb flare of Oct.11, 1957.
Meshdunar. geofiz. god [Kiev] no.2:69-74 '60. (MIRA 14:1)

1. Astronomical Observatory of Kiyev State University.
(Sun)

3,1520 (1062,1168,1177)

87255

S/033/60/037/006/014/022
E032/E514

AUTHOR: Polupan, P. N.

TITLE: Spectrophotometry of the Chromospheric Limb Flare of
October 11, 1957

PERIODICAL: Astronomicheskiy zhurnal, 1960, Vol.37, No.6,
pp. 1032-1042 + 1 plate

TEXT: The present author has photographed the spectrum of a chromospheric limb flare which occurred on October 11, 1957. The spectrum contained ten emission lines and an analysis of these lines is now reported. The flare occurred on the south-east limb and its coordinates were $\varphi = -26^\circ$, $\lambda = -87^\circ$. It began at $8^h 04^m$ and ended at $8^h 26^m$. The intensity maximum occurred at $8^h 11^m$ UT. The lines obtained were examined with the MF-4 (MF-4) microphotometer. Fig.2 shows the line profiles for the Balmer series as functions of time during the flare. The vertical lines denote the centres of the corresponding absorption lines. The continuous spectrum level of the limb is indicated by the dotted lines. The horizontal axis is marked in Angstroms and the areas under the profiles are expressed in equivalent Angstroms. It is assumed that the broadening of the Balmer lines is due to macroscopic (turbulent

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Spectrophotometry of the Chromospheric Limb Flare of October 11, 1957

type) motions of matter. The hypothesis of Doppler broadening is rejected because it would require a kinetic temperature of the order of a million degrees. If turbulent motion is in fact responsible, then by determining the Doppler width for a given line (say for H_{ϵ}) from the relation

$$\Delta\lambda_{\text{D}} = 1.665 \Delta\lambda_{\text{D}} \quad (1)$$

where $\Delta\lambda_{\text{D}}$ is the total observed half-width, it is possible to find the Doppler width of other lines using the following relation

$$\frac{\Delta\lambda_{\text{D}}(H_{\epsilon})}{\lambda(H_{\epsilon})} = \frac{\Delta\lambda_{\text{D}}(H_n)}{\lambda(H_n)} \quad (2)$$

The Doppler widths calculated in accordance with the latter equation were found to be

$$\begin{array}{cccccccc} H_{\alpha} & H_{\beta} & H_{\gamma} & H_{\delta} & H_{\epsilon} & H_8 & H_9 \\ 0.82 & 0.60 & 0.55 & 0.51 & 0.49 & 0.48 & 0.47 \end{array} \quad (3)$$

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S/033/60/037/006/014/022
E032/E514**Spectrophotometry of the Chromospheric Limb Flare of October 11,
1957**

The theoretical profiles, uncorrected for self-absorption, were computed from the formula

$$I = I_0 e^{-v^2} \quad (4)$$

where $v = \Delta\lambda/\Delta\lambda_D$. These profiles describe the H_δ , H_ϵ and H_γ lines quite well. However, the H_α , H_β and H_γ do not conform to this rule as can be seen from Fig.4. The $H_\alpha - H_\gamma$ profiles were calculated, therefore, from a formula given by Conway (Ref.13), which takes into account self-absorption. Table 2 shows certain observed and computed data for the lines H_α , H_β and H_γ . In this table E_λ is the observed equivalent width, E'_λ is the equivalent width corrected for self-absorption, F is a factor by which the equivalent widths are reduced in the presence of self-absorption, $\tau_{0\lambda} = k_o N_2$, k_o is the absorption coefficient per atom at the centre of the line and N_2 is the number of atoms in the second Card 3/9

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Spectrophotometry of the Chromospheric Limb Flare of October 11,
1957

quantum state in a column of unit cross-section. Table 3 gives the intensities of the lines and the Balmer decrement and Table 4 gives the calculated populations of the levels. It is found that the Balmer decrement freed from the effects of self-absorption is in good agreement with the theoretical value if it is assumed that the kinetic electron temperature T_e is 10000°C and the concentration of hydrogen atoms in the ground state is $n_{\text{H}_2} = 5 \times 10^{12}$. However, in the case of the second level, the calculated data do not agree with observations and the population of the second level derived from observations is found to be higher by two orders of magnitude than the calculated one. There are 8 tables, 4 figures and 20 references: 18 Soviet and 2 non-Soviet.

ASSOCIATION: Astronomicheskaya observatoriya Kiyevskogo gosuniversiteta (Astronomical Observatory of the Kiyev State University)

SUBMITTED: March 4, 1960

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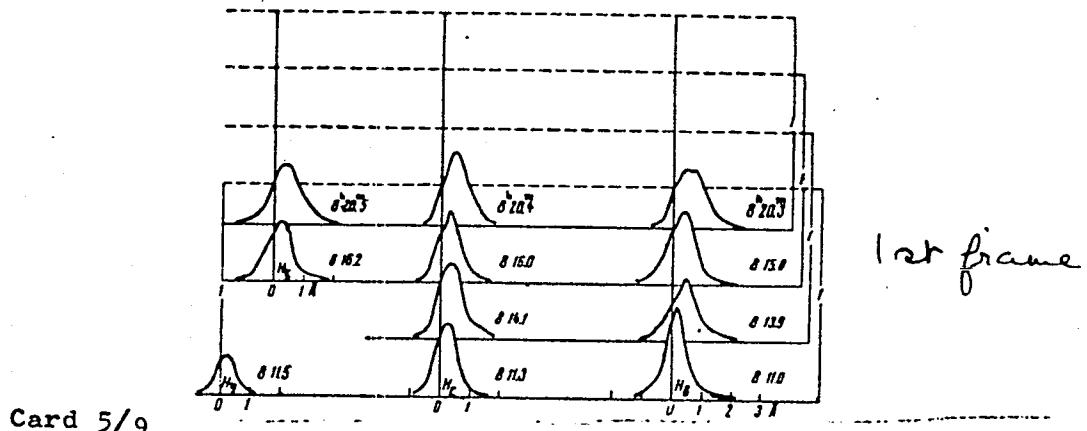
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Spectrophotometry of the Chromospheric Limb Flare of October 11,
1957

Fig. 2

Profiles of Balmer lines as a function of time
during the flare



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E032/E514

Spectrophotometry of the Chromospheric Limb Flare of October 11,
1957

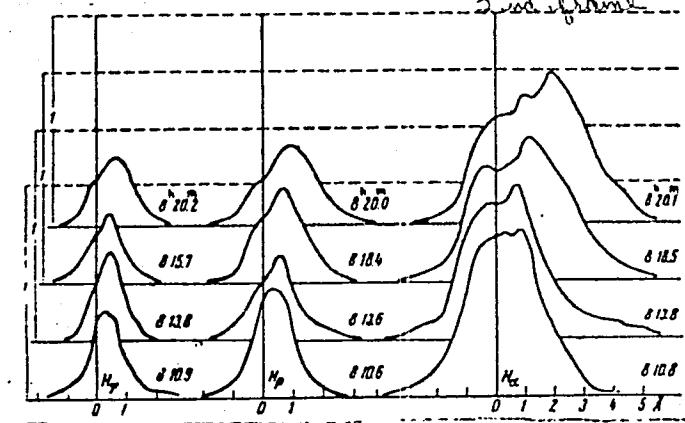
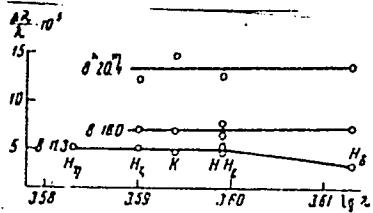


Рис. 2. Контуры линий бальмеровской серии в процессе развития вспышки

Рис. 3. Зависимость относительного смещения линий от длины полки для трех моментов развития вспышки



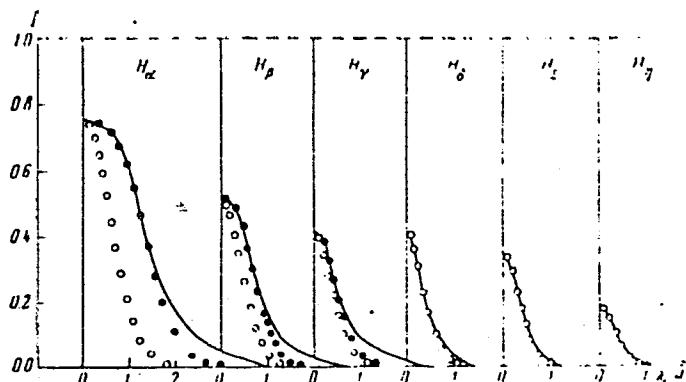
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Spectrophotometry of the Chromospheric Limb Flare of October 11,
1957

Fig. 4

Hydrogen line profiles in the maximum (continuous curves),
Doppler profiles without self-absorption (open circles),
Doppler profiles with absorption (points).



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Spectrophotometry of the Chromospheric Limb Flare of October 11,
1957

Table 2

Line	$\Delta\lambda_D$	$\Delta\lambda'_D$	$\tau_o \lambda$	F	E_λ	E'_λ	$K_o \lambda$	N_2
H _α	0.82	1.04	4.0	0.335	1.56	4.65	13.2×10^{-14}	5.1×10^{15}
H _β	0.60	0.68	1.9	0.514	0.50	0.97	2.06 "	9.2 "
H _γ	0.55	0.58	0.8	0.698	0.29	0.42	0.718"	11.1 "
								7.8×10^{15}

Table 3

Line intensities and Balmer decrements

Line	H _α	H _β	H _γ	H _δ	H _ε	H _η
$I_n \cdot 10^{-6}$	13.5	4.11	1.93	0.889	0.569	0.216
$I_n/I_{H\beta}$	3.29	1.00	0.47	0.22	0.14	0.05

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Spectrophotometry of the Chromospheric Limb Flare of October 11,
1957

Table 4

Population of levels

n	3	4	5	6	7	9
$N_n \cdot 10^{-12}$	1.27	1.49	1.46	2.37	3.06	4.33

✓

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S/035/62/000/008/026/090
A001/A101

AUTHOR:

Polupan, P. N.

TITLE:

Interpretation of spectrophotometric results of a flare at the limb

PERIODICAL:

Referativnyy zhurnal, Astronomiya i Geodeziya, no. 8, 1962, 62,
abstract 8A409 ("Mezhdunar. geofiz. god. Inform. byul.", 1961,
no. 4, 11 - 17; English summary)

TEXT: The flare was processed in lines H_α-H_β. It is noted that the lines are broad. With flare development, the line width increases and they are shifted to the red side of the spectrum. The line displacement is due to the motion of the flare as a whole. Maximum radial velocity amounts to 57 km/sec. Line profiles are Doppler ones. Thereof the conclusion was drawn that the lines are broadened due to macroscopic movements of the substance. Populations of the second and upper levels and the value of Balmer decrement were derived. It is presumed that electronic impact and recombination represent the mechanism of excitation. For this case equations of steady-state are compiled in the form:

$$z_n^{\text{rec}} + z_n^{\text{st}} = n \sum_{k=1}^{n-1} A_{n,k}$$

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Interpretation of...

These equations are solved for the values $T_e = 8.9, 10$ and 11 thousand degrees and concentrations $n_H = 10^{12}, 5 \times 10^{12}$ and 10^{13} . The calculated population values are compared with corresponding data obtained from observations. The best agreement is achieved at $T_e = 10,000^{\circ}\text{K}$ and $n_H = 5 \times 10^{12}$. Some discrepancy between calculated and observational data is explained by not considering, in calculations, the excitation by the proper emission of the flare. There are 5 references.

E. Gurtovenko

[Abstracter's note: Complete translation]

Card 2/2

POLJUPAN, P.N.

Unit for solar observations. Publ. KAO no.10:59-64 '62.
(MIRA 16:7)
(Spectroheliograph)

ACCESSION NR: AT3008531

S/2974/62/000/011/0024/0044

AUTHOR: Polupan, P. N.

TITLE: Spectrophotometry of four chromospheric flares

SOURCE: Kyiv. Universytet. Astronomichna observatoriya. Publikatsii, no. 11, 1962, 24-44

TOPIC TAGS: spectrophotometry, chromospheric flare, Balmer series, hydrogen line, solar horizontal telescope, helioscope, spectrograph

ABSTRACT: These flares were observed by a solar horizontal telescope equipped with a spectrograph and a spectrohelioscope. Observations were made in 1956 on 19 flares having intensities of 1-3 scale divisions. About half of these observations were unsuitable for processing. Of the remaining, four were chosen for the present study. The sky was clear, and visibility was good at the times of observation. The four flares occurred on 31 May, 9, 29, and 31 August 1956. The durations were 18, 18, 50, and 26 minutes, respectively. The beginning of the first flare was not adequately observed, but for the remaining three the periods of growth (from inception to maximum intensity) and decay (from maximum to disappearance) were,

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ACCESSION NR: AT3008531

respectively, 2 and 16 minutes, 9 and 41 minutes, and 4 and 22 minutes. Spectra, particularly of the Balmer hydrogen series of lines, have been analyzed, and the shapes of the lines contoured. Some line contours show a shift toward the red, some toward the ultraviolet. Asymmetry is pronounced in several contours, and deformation is irregular. The author concludes that these peculiarities in line shape, such as shift, asymmetry, and deformation, must indicate complex movement of substances within the cores of the flares (or of the cores themselves). Quantitative work on this matter is to be discussed in a future paper. Orig. art. has: 13 figures and 6 tables.

ASSOCIATION: Kyiv. Universitet. Astronomichna observatoriya (Kiev University Astronomical Observatory)

SUBMITTED: 00

DATE ACQ: 230ct63

ENCL: 00

SUB CODE: AA

NO REF Sov: 015

OTHER: 000

Card 2/2

POLUPAN, P.N.

Spectral line shapes in a faint chromospheric flare. TSix.
KAO no.71:3-15 '62. (MIRA 16:6)

(Solar flares--Spectra)

POLUPAN, P.N.; YAKOVKIN, N.A.

Study of a limb chromospheric flare. Astron. zhur. 42 no.4:764-774
Jl-Ag '65. (MIRA 18:8)

1. Astronomicheskaya observatoriya Kiyevskogo gosudarstvennogo
universiteta.

L 00273-66 EWT(1) CW
ACCESSION NR: AP5020677

UR/0033/65/042/004/0764/0774
523.775

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48
B

AUTHORS: Polupan, P. N.; Yakovkin, N. A.

TITLE: Investigation of limb chromospheric flare

SOURCE: Astronomicheskiy zhurnal, v. 42, no. 4, 1965, 764-774

TOPIC TAGS: chromosphere, ⁵⁵solar flare, induced emission, ionization, solar radiation, hydrogen atom, electron density

ABSTRACT: From photographic records of the July 27, 1961 solar flare, observed at Kiev University, the length, temperature, and electron density of the limb chromosphere were calculated. First, the optical thickness of the flare in the various line series of the hydrogen atom was calculated. Both induced and spontaneous emission were taken into consideration and hydrogen ionization was estimated from continuum solar radiation as well as from electronic impact phenomena. Photo-recombination and three-body recombination were assumed to be the governing recombination mechanisms. The stationary equation for the m-th hydrogenic level at any given time t is expressed by

$$R_m^{(3)}n_e^3 + R_m^{(2)}n_e^2 + L^{-1}Z_m n_e + L^{-1}A_m = 0,$$

where $R^{(3)}$ and $R^{(2)}$ represent the three-body and photo-recombinations, respectively,
Card 1/3

Card 2/3

L 00273-66

ACCESSION NR: AP5020677

SUBMITTED: 260ct64

NO REF Sov: 010

ENCL: 00

SUB CODE: AA, GP

OTHER: 005

HJ
Card 3/3

POLUPANOV, A. V.

Moriaki bronepoezda "Svoboda ili smert!" /Sailors of the armored train "Svoboda ili smert!"/. Moskva, Voenmorizdat, 1952. 46 p.

SO: Monthly List of Russian Accessions, Vol. 7 No. 2 May 1954.

POLUPANOV, F.P., inzh.-mekhanik

Create a complex of devices for carrying out technical inspections.
(MIRA 17:3)
Mekh. sil'. hosp. 13 no.9:15-17 S '62.

POLUPANOV, F.P., inzh.-mekhanik

Make way for the new system in the maintenance of machinery.
Mekh.sil', hosp. 8 no.9:9-11 S '59. (MIRA 13:1)
(Agricultural machinery--Maintenance and repair)

POLUPANOV, F.P., inzh.-mekhanik

For perfect technology in the maintenance and care of agricultural
machinery. Mekh. sil'. hosp. 14 no.5:8-10 My '63.
(MIRA 16:10)

POLUPANOV, F.P., inzh.-mekh., red.; OLEFIRENKO, G.A. [Olefirenko,
H.A.], red.

[New organization of the maintenance of agricultural
machines] Nova organizatsiya obsluhovuvannia sil's'kogo
hospodars'kykh mashyn; zbirnyk statei. Kyiv, Urozhai,
1964. 115 p. (MIRA 18:8)

POLUPANOV, F.P., inzh.-mekhanik; BOLGAR, A.K., [Bolhar, A.K.], brigadir
traktornoy brigady

Proper maintenance guarantees high productivity in machinery.
Mekh.sil'.hosp. 11. no.2:15-16 P '60. (MIRA 13:6)

1. Kolkhoz im.Stalina, Artem'yevskogo rayona, Stalinskoy oblasti.
(Agricultural machinery--Maintenance and repair)

POLUPANOV, F.P., inzh.-mekhanik

How our repair and supply station guarantees uninterrupted service
to collective farms. Mekh. sil'. hosp. 10 no.3:14-15 Mr '59,
(MIRA 12:6)

1.Zaytsevskaya remontno-tehnicheskaya stantsiya Stalinskoy oblasti.
(Stalino Province--Repair and supply stations)

POLUPANOV, F.P., inzh.-mekhanik

Give good technical assistance to collective farms. Mekh.sil'.hosp.
9 no.11:10 N '58. (MIRA 11:12)
(Agricultural machinery)

"APPROVED FOR RELEASE: 06/15/2000

CIA-RDP86-00513R001341920007-4

POLUPANOV, F.P., inzh.-mekhanik

For overall maintenance and repair of machines and tractors on
collective farms. Mekh. sil'. hosp. 14 no.8:5-6 Ag '63.
(MIRA 17:1)

APPROVED FOR RELEASE: 06/15/2000

CIA-RDP86-00513R001341920007-4"

POLUPANOV, F.P.; KORCHAGIN, N.I.; KOBYLYAKOV, L.M., red.; PEVZNER, V.I.,
tekhn. red.; GUREVICH, M.M., tekhn. red.

[Mechanization of livestock farms] Mekhanizatsiya na zhivotnovod-
cheskikh fermakh. Moskva, Gos. izd-vo sel'khoz. lit-ry, 1960. 87 p.
(MIRA 14:10)

(Stock and stockbreeding) (Farm mechanization)

POLUPANOV, F.P., inzh.-mekhanik

Helping collective farms to attain high crop yields. Mekh.
sil'.hosp. 10 no.11:3-4 N '59. (MIRA 13:3)
(Ukraine--Repair and supply stations)

SOV/118-59-2-17/26

25(2)

AUTHOR: Burdakov, Yu.M. and Polupanov, G.G., Engineers
TITLE: Tubular Conveyors (Tubulyarnyye konveyery)
PERIODICAL: Mekhanizatsiya i avtomatizatsiya proizvodstva, 1959,
Nr 2, pp 48-49 (USSR)

ABSTRACT: A tubular screw conveyor has been used successfully for the removal and cooling of reverse sinter (temperature from 400 to 500°C). Technical characteristics: diameter of the tube -600 mm, the wint pitch - 500 mm with 21 evolutions per minute, capacity - from 50 to 60 tons per hour, total length - 50 m, driving power - 40 kw. After being used for 2 years in a lead plant, the conveyor proved dependable, securing the necessary productivity and sanitary work conditions. The tubular conveyor was developed by the Institut VNIITsvetmet (Institute of VNIITsvetmet), based on a similar conveyor, tested by the Institut NIGRIS (NIGRIS Institute). There are 2 diagrams.

Card 1/1

37964

S/137/62/000/005/038/150
A006/A101

1.1500

AUTHORS: Bratchik, A. V., Burdakov, Yu. M., Polupanov, G. G., Mikhaylov, S. A.

TITLE: Continuous cadmium casting into rods

PERIODICAL: Referativnyy zhurnal, Metallurgiya, no. 5, 1962, 21, abstract 50128
("Metallurg. i khim. prom-st' Kazakhstana. Nauchno-tekhn. sb". 1961,
no. 5 (15) 113 - 118)

TEXT: To eliminate Cd losses and facilitate labor conditions during its casting, a unit for the continuous casting of Cd into rods was assimilated at the Ust'-Kamenogorsk Lead-Zinc Combine. The unit is equipped with a refining boiler, connected with the crystallizer. At such a connection the metal is supplied to the crystallizer and the molten Cd, having no contact with air, is not oxidized. The crystallizer is made of grade Cr.45 (St.45) steel. For cutting the rod after its extrusion, shears are mounted; to extrude the rod from the crystallizer, a horizontal two-roll machine is used; grooves for the passage of the rod are cut in the rolls. For initial extrusion (starting the machine) a Cd or other metal primer is placed into the crystallizer. The primer has the same diameter as the rod. To draw the rod out of the crystallizer, as

Card 1/2

Continuous cadmium casting into rods

S/137/62/000/005/038/150
A006/A101

it is formed in the unit, the principle of periodical extrusion is employed: the rod formed is drawn out of the crystallizer and is replaced by molten metal, and the extrusion operation is repeated.. The rod length depends on the crystallizer length (in the given case, the rod length was 230 mm at a crystallizer length of 300 mm). To ensure continuous operation of rolls, a ratchet with a duplicating device was used. The unit for the continuous casting of Cd into rods can operate on an electric circuit with both manual and automatic control. The efficiency of the unit with one crystallizer is 25 kg/hour. The extrusion speed is 1 mm/sec; duration of the extrusion cycle and the formation of the rod is 5 sec; the rod diameter is 8.5 mm; optimum Cd temperature in the boiler during casting is 350°C; the dimensions of the unit are 1,500 x 1,500 x 800 mm.

G. Svodtseva

[Abstracter's note: Complete translation]

Card 2/2

TATINTSYAN, S.V.; POLUPANOV, K.P., red.; NAUMENKO, V.I., tekhn.red.

[Surface ensilage of corn] Nazemnyi sposob silosovaniia
kukuruzy. Makhachkala, Dagestanskoe knizhnoe izd-vo, 1959.
12 p. (Corn (Maize)) (Ensilage) (MIRA 14:7)

DUBININ, V.M.; POLUPANOV, P.A.; YASAFOV, A.F.

Practices for recovering oxidized molybdenum from Tyrryaz ore.
TSvet. met. 38 no.9:12-17 S '65.
(MIRA 18:12)

POLUPANOV, S.

POLUPANOV, S. and IU. IARALOV. ...Tashkent. S. Polupanov, IU.IAralov, Moskva,
Izd-vo Akademii arkhitektury SSSR, 1949. 35 p., 33 plates, plans. (Arkhitektura
gorodov SSSR).
DLC: N41197.T3P6

SO: LC, Soviet Geography, Part II, 1951, Unclassified

POLUPANOV, V.P., inzh.-mekhanik

Victory is attained by cooperation. Mekh. sil'. hosp. 12
no.9:5-6 S '61. (MIRA 14:11)
(Ukraine--Agriculture)

POLUPANOVA, I.

MYSHKO, D., redaktor; ASEYEV, Yu.; BEVZO, A.; VIKTOROV, A.; GRISHKO, N.; DOROSHENKO, Ye.; YEVUSHENKO, A.; IGNATKIN, I.; KOZYRENKO, M.; LOLA, A.; LYSENKO, A.; LYSENKO, N.; PANKHEV, V.; POLUPANOVA, I.; TELEGIN, D.; CHUDNOVSKAYA, I.; DEREVYANKO, G., tekhnicheskij redaktor.

[Kiev; a guidebook] Kiev; spravochnik-putevoditel'. Kiev, Gos. izd-vo polit. lit-ry USSR, 1954. 284 p. [Microfilm] (MIRA 8:2)
(Kiev--Guidebooks)

GAYDUKOVA, V.S.; POLUPANOVA, L.I.; STOLYAROVA, T.I.

Hatchettelite from carbonatites of Siberia. Min.syr'e no.7:86-95
(MIRA 16:9)
'63. (Siberia—Hatchettelite—Analysis)
(Siberia—Carbenatites)

"APPROVED FOR RELEASE: 06/15/2000

CIA-RDP86-00513R001341920007-4

KRUGLOVA, V.G.; SIDORENKO, G.A.; POLUPANOVA, L.I.

Rhombohedral modification of molybdenum disulfide. Trudy Min. SSSR.
no.16:233-237 '65. (MIRA 18:8)

APPROVED FOR RELEASE: 06/15/2000

CIA-RDP86-00513R001341920007-4"

BOKUCHAVA, M.A.; SEDOBELEVA, N.I.; KNYAZEVA, A.M.; GRIGOR'YEV, A.I.;
POLUPANOVA, R.V.

Results of testing the new technological of manufacturing black
tea in the Dagomys Tea Factory in 1958-1959. Biokhim. chain.
proizv. no.8:176-185 '60. (MIRA 14:1)

1. Trest "Amerchay", Baku.
(Azerbaijan--Tea)

POLUPINSKIY, M.

Promotion of dashing behavior. Grazhd.av. 18 no.5:31 My '61.
(MIRA 14:5)

1. Instruktor Politupravleniya Grazhdanskogo vozдушного flota.
(Television plays)

POLUPINSKIY, M.

Topics on technical progress on the pages of newspapers with wide circulations. Grazhd.av.13 no.5:6-7 My '56. (MIRA 9:9)

1. Instruktor Politupravleniya Grazhdanskogo flota.
(Aeronautics, Commercial)

"APPROVED FOR RELEASE: 06/15/2000

CIA-RDP86-00513R001341920007-4

LAPKIN, I.; POLUPINSKIY, M.

On a new road. Grazhd.av. 14 no. 1:3-5 Ja '57.
(Airplanes--Maintenance and repair) (MLRA 10:4)

APPROVED FOR RELEASE: 06/15/2000

CIA-RDP86-00513R001341920007-4"

"APPROVED FOR RELEASE: 06/15/2000

CIA-RDP86-00513R001341920007-4

POLUPINSKIY, M.

Twenty-fifth anniversary of delivering matrices by plane. Grazhd.av.
13 no.6:33 Je '56. (MIRA 9:9)
(Air mail service)

APPROVED FOR RELEASE: 06/15/2000

CIA-RDP86-00513R001341920007-4"

POLUPINSKIY, M.

Main topics. Grazhd. av. 18 no.6:26 Je '61. (MIRA 14:7)

1. Instruktor Politupravleniya Grazhdanskogo vozдушного flota.
(Aeronautics, Commercial)

"APPROVED FOR RELEASE: 06/15/2000

CIA-RDP86-00513R001341920007-4

POLUPINSKIY, M.

On the assault front. Gruzhd. av. 21 no. 7:26-27 JI '64.
(MIRA 18:4)

APPROVED FOR RELEASE: 06/15/2000

CIA-RDP86-00513R001341920007-4"

POLUPINSKIY, M.

Flight safety is the leading subject. Grazhd. av. 20 no.1:
28-29 Ja '63. (MIRA 16:4)

1. Instruktor Politicheskogo upravleniya Grazhdanskogo vozdušnogo flota.

(Airplanes—Piloting)

POLUPINSKIY, M.

Spread more vivid information about the powerful movement of our
time. Grazhd. av. 17 no. 9:14-15 S '60. (MIRA 13:9)

1. Instruktor Politupravleniya Grazhdanskogo vozdushnogo flota.
(Efficiency, Industrial)

POLUPOYARINOVA, A.G.; LADUBA, T.L.

Transfusion of blood and its components in blood system diseases
under outpatient conditions. Probl.gemat.i perel.krovi no.11:36-
37 '62. (MIRA 15:11)

1. Iz gematologicheskoy kliniki (zav. - dotsent A.A. Bakar)
Kiyevskogo nauchno-issledovatel'skogo instituta perelivaniya
krovi i neotlozhnoy khirurgii (dir. - dotsent S.S. Lavrik).
(BLOOD--TRANSFUSION) (BLOOD--DISEASES)

POLUPROVOODNIKOVYI
25394

Svoystva Organicheskikh Krasiteley.

| Soobsch. 7 I. A. T. Vartaryan.

Ftalotsianiny. Zhurnal Fiz. Khimii, 1948, vyp. 7, s. 769-82.

Bibliogr: Nazv.

SO: LETOPIS NO. 30, 1948

POLUPRIVODNIKOVYE

25394

POLUPRIVODNIKOVYE

Svoystva organicheskikh krasiteley. (Soobshch.) I.A.T.VARTARYAN. Ftaletsianiny
zhurnal fiz. khimii, 1948, Vyp. 7, s. 769-82 -- Bibliogr: 21 Nazv

SO: Letopis' Zhurnal Statey, No. 30, Moscow, 1948

POZDNYAKOV, L.P. (Poselok Borodino, Rybinskogo rayona, Krasnoyarskogo kraja, Oktyabr'skaya ul., d.50, kv.2); POLUPUDNEV, L.A.

Characteristics of industrial traumatism in open-pit coal mining. Ortop., travm. i protez. 26 no.4:53-55 Ap '65.
(MIRA 18:12)
1. Iz Irsha-Borodinskoy bol'nitsy (glavnnyy vrach - V.V.Dolmat)
Tybinskogo rayona, Krasnoyarskogo kraja.

POLUPUDNOV, A.V., kand. sel'skokhoz. nauk

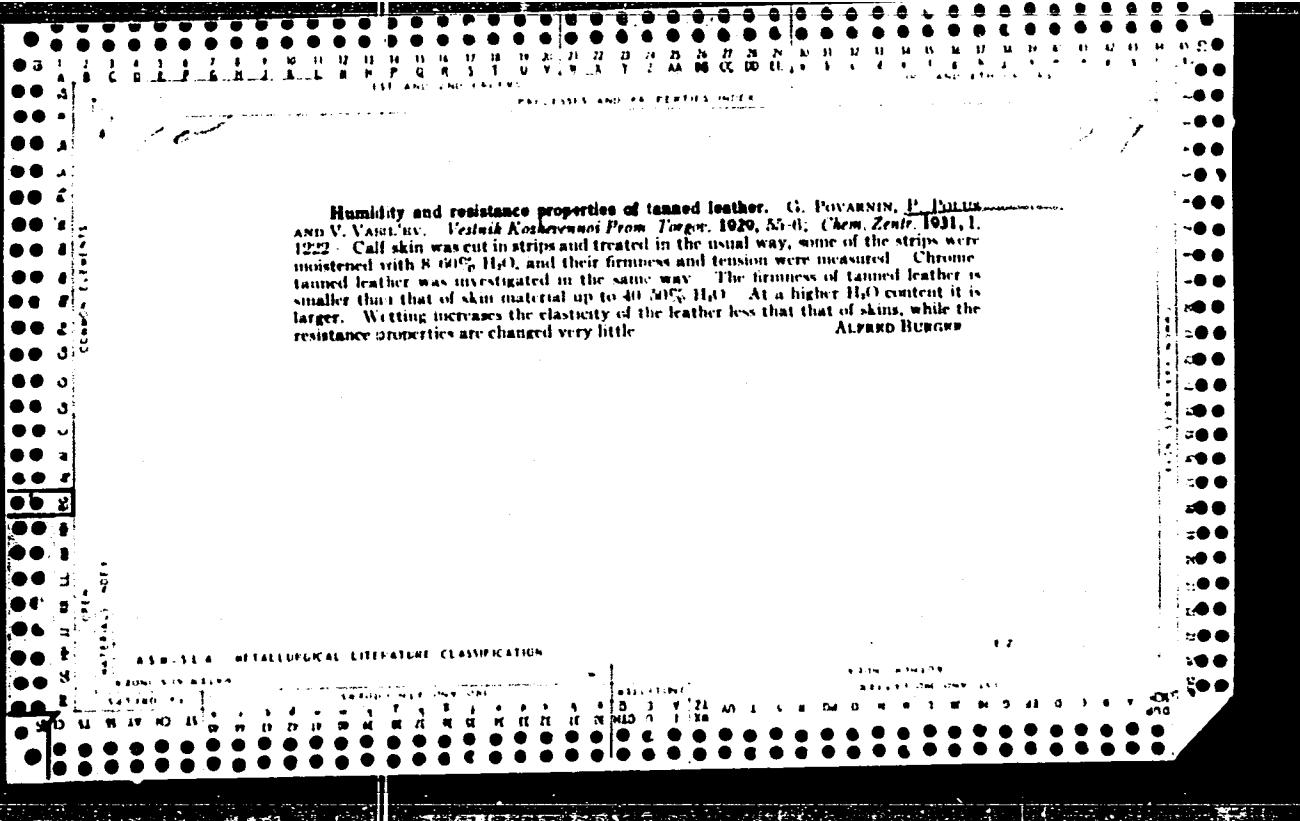
Sweet clover as a fallow crop. Zemledelie 27 no.1(35-39) Ja '65.
(MIRA 18:3)

1. Glavnnyy agronom sovkhoza "Petrovskiy", Chitinskoy oblasti.

WIERZCHOWSKI, Piotr; ADAMIEC, Arnold; KONIECZNY, Waclaw; POLUS, Elzbieta;
SIECZKOWSKA, Kazimiera

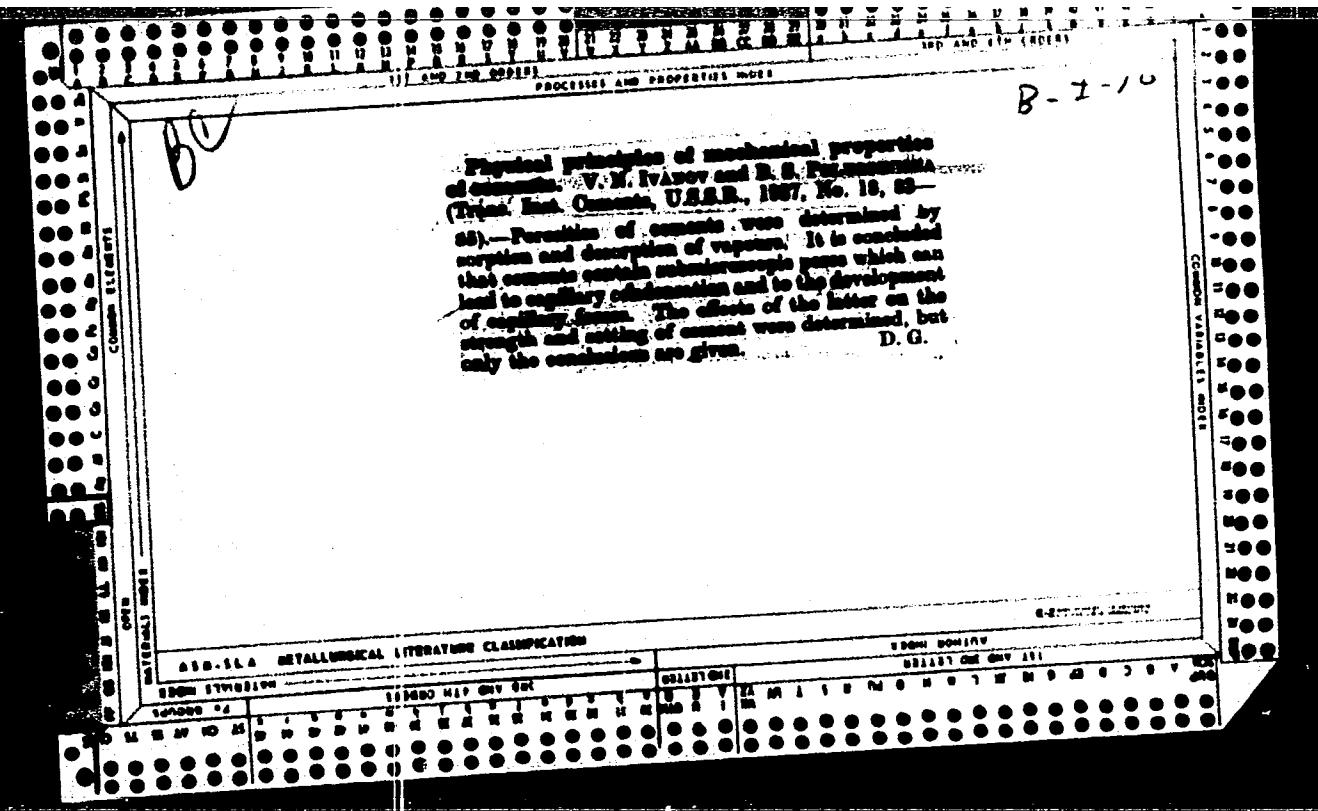
Production of gibberellic acid by means of biosynthesis. Acta
pol. pharm. 19 no.2:97-101 '62.

1. Z Instytutu Antybiotykow w Warszawie Dyrektor: mgr inz. F.Ulak.
(GIBBERELLINS metab)



ZAYTSEV, N.A., inzh.; POLUSA, A.A., inzh.

Manufacture of circular saws used in woodworking. Trudy
NIIMesttpproma no.17:240-247 '62. (MIRA 16:5)
(Circular saws)



POLUSHCHEV, Fedor Nikoleyevich

Antimated Newborn Children Born in Asphyxia, with the Introduction in
the Umbilical Artery Solution of Calcium Chloride.

Dissertation for candidate of a Medical Science degree. Chair of Obstetrics and
Gynecology (lechfaka) (head Prof. A.M. Foy) and Normal Physiology (head,
Prof. Ye. S. Ivanitskiy-Vasilenko) Saratov Medical Institute, 1958

POLUSHCHEV, F.N.

Mechanism of the action of calcium chloride introduced into the umbilical artery for treating asphyxia neonatorum [with summary in English]. Akush. i gin. 33 no.6:45-50 N-D '57. (MIRA 11:3)

1. Iz kafedry akusherstva i ginekologii (zav.-prof. A.M.Foy) lechebnogo fakul'teta i kafedry normal'noy fiziologii (zav.-prof. Ye.S.Ivanitskiy-Vasilenko) Saratovskogo meditsinskogo instituta.

(ASPHYXIA NEONATORUM, ther.

calcium chloride, mechanism of action after admin. into umbilical artery)

(CHLORIDES, ther. use

calcium chloride in asphyxia neonatorum, mechanism of action after admin. into umbilical artery)

KURYSHEVA, K.A., kand.med.nauk; POLUSHCHEV, F.N., kand.med.nauk

Comparative results in treating early pregnancy toxemias with
bromine, caffeine and aminazine. Sov. med. 25 no.2:132-135
(MIRA 15:3)
F '62.

1. Iz akushersko-ginekologicheskoy kliniki pediatricheskogo
fakul'teta (zav. - prof. M.A. Daniakhily) Saratovskogo meditsinskogo
instituta.
(CAFFINE) (BROMINE) (CHLORPROMAZINE) (TOXEMIA)

POVISHKIN, A.S.; SANIN, V.P.

Ust'-Balyk oil field and methods for its commercial prospecting.
Geol. zhurn. i gaza 8 no. 8-33-36 Ag '64. (MIRA 17.3.)

I. Tymenskiy filial Sibirskego nauchno-issledovatel'skogo
instituta geologii, geofiziki i mineral'nego byz'ya.

POLUSHIN, L.A.

Use of local flora in botany classes. Biol. v shkole no.2:83-84 Mr-Ap '63.
(MIRA 16:4)

1. Il'inakaya srednyaya shkola, Vilegodskiy rayon Arkhangel'skoy
oblasti.

(Botany--Study and teaching)

DOLGUSHEVSKIY, F.G., dots.; GOL'DBERG, A.M., dots.; KOZLOV, V.S.,
dots.; PANCHENKO, V.P., assistant; POLUSHIN, P.I., st.
prepod.; EMLIKH, Ya.M., dots.; TRUKHANOVA, A.N., red.;
IL'YUSHENKOVA, T.P., tekhn. red.

[Problems in economic statistics] Sbornik zadach po ekono-
micheskoi statistike. [By] F.G.Dolgushevskii i dr. Moskva,
Gosstatizdat, 1963. 311 p. (MIRA 16:9)
(Statistics--Problems, exercises, etc.)

DOLGUSHEVSKIY, F.G., dots.; KOZLOV, V.S., dots.; PANCHENKO, V.P., as-sistent; POLUSHIN, P.I., starshiy prepodavatel'; POSTNIKOV, G.V., kand. ekon. nauk; ERLIKH, Ya.M., dots.; SHENTSIS, Ye.M., red.; IL'YUSHENKOVA, T.P., tekhn. red.

[Statistical study of labor productivity and the uncovering of its potentials in agriculture] Nekotorye voprosy statisticheskogo izuchenija i vyjavlenija rezervov proizvoditel'nosti truda v sel'skom khozai.stve. [By] F.G. Dolgushevskii i dr. Moskva, Gosstat-izdat, 1962. 189 p. (MIRA 16:1)

1. Prepodavateli Odesskogo kreditno-ekonomiceskogo instituta (for all except Shentsis, Il'yushenkova).
(Odessa Province—Agriculture—Labor productivity)

Semiconducting phases in the system $A_3^{II}B_2^{VI}$ - $A_2^{II}B_2^{VI}$ (? - Sic.).
L. V. Kradinova, I. K. Polushina.

Anomalous scattering of x-rays in Ga_2Se_3 and its solid solutions.
A. A. Vaynolin and M. M. Markus.
(Presented by A. A. Vaynolin--25 minutes).

Papers not presented.]

Diffusion of impurities in gallium arsenide. B. I. Boltaks, V. I. Sokolov,
F. S. Shishyanu.

Influence of the impurities silver and gold on the electrical properties
of gallium arsenide. B. I. Boltaks, V. I. Sokolov, F. S. Shishyanu.

Report presented at the 3rd National Conference on Semiconductor Compounds,
Kishinev, 16-21 Sept 1963

NIKOL'SKIY, G.V.; DIMENT'YEV, G.P.; POLUSHINA, N.A.; STRAUTMAN, F.I.

Brief news and information. Zool. zhur. 42 no. 4:634 '63.
(MIRA 16:7)

(Crustacea) (Ornithology--Congresses)

BAGDASAROV, A. A. [deceased]; SHITIKOVA, M. G.; POLUSHINA, T. V.;
KOZINETS, G. I.; LAGUTINA, N. Ya.; RAUSHEENBAKH, M. O., prof.

Comparative study of the action of polyglucin of various molecular
weights on the course of acute radiation sickness. Report No. 1:
Effect of polyglucin infusions on some blood coagulation indices
and hemopoietic processes. Probl. gemat. i perel. krovi no.4:3-8
'62. (MIRA 15:4)

1. Iz TSentral'nogo ordena Lenina instituta hematologii i pereli-
vaniya krovi. (dir. - deystvitel'nyy chlen AMN SSSR prof. A. A.
Bagdasarov [deceased]) Ministerstvo zdravookhraneniya SSSR.

(DEXTRAN) (RADIATION SICKNESS)
(BLOOD-COAGULATION) (HEMOPOIETIC SYSTEM)

POLUSHINA-FEDOROVICH, M.S. (Moskva, G-59, B. Dorogomilovskaya ul., d.21,
kv.61)

Our use of Chaoul therapy in cancer of the lip. Vest.rent.i rad. 34
no.5:7-11 S-O '59.
(MIRA 13:3)

1. Iz Tsentral'noy klinicheskoy rentgeno-radiologicheskoy bol'nitsy
(nach. I.M. Lobodenko) Ministerstvo putey soovshcheniya.
(LIP neoplasms)

POLUSHCHEYEV, F.N.

Resuscitation in asphyxia neonatorum by injecting calcium chloride
into the umbilical artery. Akush. i gin. no.6:59-62 N-D '54.
(MLRA 8:2)

1. Iz kafedry akusherstva i ginekologii (zav.-prof. A.M.Poy)
lechebnogo fakul'teta Saratovskogo meditsinskogo instituta.

(ASPHYXIA NEONATORUM, therapy

resuscitation by admin. of calcium chloride in umbilical
artery)

(CALCIUM

chloride in resuscitation in asphyxia neonatorum, admin.
in umbilical artery)

POLISHCHEV, F. N., Cand Med Sci -- (diss) "Resuscitation of neonates born
in a state of ^{the injection}~~under~~ asphyxia by ~~introduction~~ of a solution of calcium chloride into
the umbilical artery." Saratov, 1958. 11 pp (Min of Health RSFSR,
Saratov State Med Inst), 210 copies (KL, 16-58, 124)

-113-

Polushev, M.

AID P - 1001

Subject : USSR/Miscellaneous

Card 1/1 Pub. 58 - 2/16

Author : Polushev, M., Lt. Col.

Title : War friendship and military fellowship

Periodical : Kryl. rod., 1, 3-4, Ja 1955

Abstract : The author defines fellowship and friendship as true communistic traditions, cites war examples of these qualities and mentions a few names.

Institution : None

Submitted : No date

GIZENKO, A.I., kand.biolog.nauk (Gopri, Khersonskaya obl.);
VLADYSHEVSKIY, D.V. (Brestskaya obl., Kamenetskiy rayon, d.
Kamenyuki); YELAGIN, I.N., kand.biolog.nauk (Moskva);
POLUSHINA, N.A. (L'vov); KUSHNIRUK, V.A. (L'vov)

Nature calendar. Priroda 51 no.2:126-127 F '62.
(MIRA 15:2)
(Nature study)

AUTHOR:

Polushina, T. V., Chernyak, V. Ya. and Rozenberg, G. Ya.

S/243/62/000/002/001/001
1021/1221

TITLE:

Production of polyglucine (blood substitute) by the method of controlled synthesis
Report I

PERIODICAL: Meditsinskaya promyshlennost, SSSR, no. 2, 1962, 15-19

✓

TEXT: Since polyglucine, a fermentation product of *Leuconostoc mesenteroides* or *dextranicum* cannot be used as a blood substitute, because of its high molecular weight, the authors have obtained polyglucine of a low molecular weight (60000-80000) by way of direct synthesis with the aid of *Leuconostoc mesenteroides* strain Sf-4. The fermentation medium contained: 15% saccharose and 1, 1, 5, or 2% polyglucine with a molecular weight of 15000 to 56000 as primer. Polyglucine with a molecular weight of 60000-80000 was obtained by the above method by way of adding to the fermentation medium 2% of polyglucine with a molecular weight of 15000-23000. The yield of the above fraction was from 80 to 90% of all polyglucine synthesized. There are 3 tables.

ASSOCIATION: Tsentral'niy ordena Lenina institut hematologii i perelivaniya krovi (Central Lenin Institute of Hematology and Blood Transfusion)

SUBMITTED: April 11, 1960

Card 1/1

34953
S/205/624/002/001/004/010
D268/D302

27.2400

AUTHORS: Bagdasarov, A.A. (Deceased), Chertkov, I.L., and
Polushina, T.V.

TITLE: The effect of different dextran preparations on the survival of mice with severe radiation sickness

PERIODICAL: Radiobiologiya, v. 2, no. 1, 1962, 128 - 133

TEXT: The effect was studied of native dextran and 5 dextran preparations (nos. 1 - 5) differing in structure and molecular weight in white mice of both sexes (weight 18 - 22 g) exposed to x-ray radiation at a dose of 700 r. Tests were made to determine: 1) The effect of survival and life duration over 30 days; 2) Antitumoral action in animals with entwined sarcoma 37 implanted subcutaneously followed by intravenous injection of dextran after 6 days, slaughtering 18 - 20 hours later, and microscopic examination to determine the presence of hemorrhagic necroses in the body of the tumor; and 3) The effect on properdin titer at different periods after dextran in 5 mice slaughtered at each examination, and proper-

Card 1/3

The effect of different dextran ...

S/205/D62/002/001/004/010
D268/D302

dextran content determined in mixed blood from the complete kill. Native dextran producing "Leuconostoc mesenteroides" strain SF-4 was purified by repeated ethanol precipitation and 5 preparations derived by partial hydrolysis with hydrochloric acid and ethanol fractionation. Injection was intravenous in 0.2 ml. physiologic saline (molecular weight 1.5 - 3.10⁶ and 95 % alpha 1.6 linkage) reduced life duration, the other dextrans having no specific effect. The prophylactic effect of dextran preparation no. 1 (doses 1 - 200 mg/kg 24 hours before irradiation) in serious radiation sickness showed a marked increase in survival at 1 and 10 mg/kg, and some protection at 50 mg/kg, but there was no statistically confirmed effect on life duration. Native dextran and preparation no. 1 injected intravenously reduced the properdin level in the blood, with maximum usually at 24 hours for the former, and 2 hours for the latter. Results showed that hydrolysis of dextran within specific limits has no adverse effect on its ability to increase animal radioresistance, and in serious radiation sickness preparation no. 1 had a very pronounced protective action, and is suitable for further

Card 2/3

AUTHOR: Polushkin, A. A., Candidate of Technical Sciences 54-58-2-3/16

TITLE: Combined method for drying Chemical Products (Kombinirovannyj metod suszki khimicheskikh produktov)

PERIODICAL: Khimicheskaya Promyshlennost', 1958, Nr 2, pp. 47-49
(USSR)

ABSTRACT: After investigations of various drying methods had been carried out the method mentioned in the title was elaborated using infrared radiation and hot-air drying in a combined method. Drying experiments were carried out with sulfochloride, polychlorovinyl-resin, hydroquinone, and diphenyl guanidine in an experimental radiation-convective drying plant. The moist product (10 kg) was divided up in 40 mm layers on 5 drip pans which were placed between metal screens. The latter were heated by the heat carriers (water at temperatures of below 80°C, or otherwise dicumylmethane) while an heated air current (recuperative) was constantly passing over the mixed drying material. Temperature measurements were carried out continuously (every 10 minutes) just

Card 1/2

Combined Method for Drying Chemical Products

64-58-2-9/16

as well as determinations of weight changes of the material. The measurement results obtained were represented graphically and it was found that the combined drying method is quicker compared to the usual air drying method, and is also extremely economical. A new drying plant construction was then designed on the basis of the results obtained. The diagram shows a vertical cylinder, in which the drying levels are mounted in horizontal order; the heating elements, and in the vertical axis the mixing levers. The moist product is filled in centrally from above and by the operation of the mixer it gradually falls deeper and deeper from the upper levels. For removing the dried product a transporting worm line is mounted. The described plant is at present being introduced to chemical industry. The individual data are given in comparison with the method of normal air drying. There are 4 figures, 2 tables and 0 references.

ASSOCIATION: Gor'kovskiy politekhnicheskiy institut imeni A. A. Zhdanova (Gor'kiy Polytechnical Institute imeni A. A. Zhdanov)
1. Chemicals--Moisture content 2. Chemicals
AVAILABLE: Library of Congress --Dehydration 3. Heating elements--Performance
Card 2/2 4. Temperature--Chemical reactions

ca

Volumetric determination of sulfates. D. Polushin
Izdatstvennoe Volokno (Artificial Fiber) 5, No. 22, 33-4
(1934).—The Taranayev method of determ. of sulfates by
uptake with $\text{Pb}(\text{NO}_3)_2$ and back titration of the excess
of $\text{Pb}(\text{NO}_3)_2$ with Na_2CO_3 produced low values with mixts.
comps. $(\text{NH}_4)_2\text{SO}_4$, because the formed NH_4NO_3 is de-
compd. by Na_2CO_3 . Accurate results were obtained by
eliminating NH_4 of $(\text{NH}_4)_2\text{SO}_4$ from the reaction by con-
verting it into hexamethylene tetramine. The method
is shown with a mixt. of $(\text{NH}_4)_2\text{SO}_4$, H_2SO_4 and Na_2CO_3 .
Mix 10 cc. of the sulfate soln. with 10 cc. of neutral $\text{CH}_3\text{CO}_2\text{O}$
soln., add 2-3 drops of phenolphthalein soln., neutralize
with NaOH to a faint pink (to assure the complete
sepn. of acids, add 1 cc. of $\text{CH}_3\text{CO}_2\text{O}$ soln.), pour in 75 cc. of
0.1 N $\text{Pb}(\text{NO}_3)_2$ dil. to 250 cc., stir well, let stand 3.5
min., filter the mixt. through a dry filter into a dry beaker
and titrate 50 cc. of the hot soln. with 0.2 N Na_2CO_3
against 2-3 drops of phenolphthalein to a pink color,
bring them to a boil and, if the color disappears, continue
the titration.

Chas. Blane

Chas. H. Law

APPROVED FOR RELEASE: 06/15/2000

CIA-RDP86-00513R001341920007-4"

POLUSHIN, L.A., uchitel'

Demonstration of puffball spores. Biol.v shkole no.4:88
(MIRA 13:7)
Jl-Ag '60.

1. Sorovskaya semiletnyaya shkola Vilegodskogo rayona.
Arkhangel'skoy oblasti.
(Mycology--Study and teaching)
(Spores(Botany))

PoLUSHIN, S.P.

STEBIKHOV, M.I., inzhener; POLUSHIN, S.P., inzhener.

Passive-type sample-cutter. Torf.prom. 32 no.7:28 '55.
(MLRA 9:1)

1.Shaturskaya inspeksiya Giktorfa.
(Peat machinery)

PoLushina, L.I.

Vitamin C in fresh and in fermented camel's milk. N. T. Kiseleva and L. I. Polushina. Izvest. Akad. Nauk Turkmen. S.S.R. 1954, No. 1, 62-7; Referat. Zhur. Khim., Biol. Khim. 1955, No. 16908.—Camel's milk contains 4.3-9.7 mg. % of vitamin C (I) depending upon the type of ration fed and the individual camel. In fermented milk varies between 4.2-8.2 mg. % depending upon the process of its prepn, and the proper selection of the pure yeast culture.

R. S. Levine

(2)

MAGAZANIK, M.L., glavnnyy vrach; POLUSHINA, M.I., nachal'nik.

N.A.Vel'iaminov (1855-1920); on the history of the control of surgical
tuberculosis in Russia. Probl.tub. no.3:80-83 My-Je '53. (MLR 6:7)

1. Protivotuberkuleznyy dispanser imeni N.A.Semashko Severo-zapadnogo
vodzdravotdela v Leningrade (for Magazanik). 2. Severo-zapadnyy vodzdrav-
otdel, Leningrad (for Polushina).
(Tuberculosis) (Vel'iaminov, Nikolai Aleksandrovich, 1855-1920)

POLUSHINA, N. A.

POLUSHINA, N. A. --"Ecology, Spread, and National Economic Significance of
the Family Mustelidea in the Western Oblasts of the Ukrainian SSR."L'vov
State U imeni Ivan Franko, L'vov, 1955 (Dissertation for the Degree of
Candidate in Biological Science)

SO: Knizhnaya Letopis', No. 35, 1955

POLUSHINA, N. A.

14-57-6-12590

Translation from: Referativnyy zhurnal, Geografiya, 1957, Nr 6,
p 121 (USSR)

AUTHOR:

Polushina, N. A.

TITLE:

Biology of the Dark Polecat in Western Ukraine (Do
biologiyi temnogo tkhora na zakhodi Ukrayini--in
Ukrainian)

PERIODICAL:

Nauk. zap. Prirodozn. muzey L'viv's'k. fil. AN URSR,
1956, Vol 5, pp 68-77

ABSTRACT:

The dark polecat uniformly inhabits the whole western
Ukraine, except for the conifer forests of the Stanis-
lavskaya, Drogobychskaya, and trans-Carpathian Region.
In those places it is found only in river valleys at
1000 m above sea level. The dark polecat does not
live in the open cultivated plains of the Ternopol'
district. It normally inhabits lake shores, damp
woods and overgrown karst depressions. It also

Card 1/2

SCHRAUTMAN, F.I., prof., red.; VORONOV, A.G., prof., red.; GEPTNER, V.G.,
prof., red.; DEMENT'YEV, G.P., prof., red.; PALIY, V.F., prof.,
red.; POLUSHINA, N.A., kand.biolog.nauk, red.; KOTLYAROV, Yu.L.,
red.; SARANYUK, T.V., tekhnred.

[Problems in the zoogeography of dry land; papers of a conference
held in Lvov June 1-9, 1957] Problemy zoogeografii sushi:
materialy soveshchaniia, sostoiavshegosia vo L'vove 1-9 iunia
1957 goda. 1958. 359 p. (MIRA 12:6)

1. L'vov. Universitet. 2. L'vovskiy gosudarstvennyy universitet
im. Iv.Franko (for Strautman, Paliy, Polushina). 3. Moskovskiy
gosudarstvennyy universitet im. M.V.Lomonosova (for Voronov,
Dement'yev). (Zoogeography)

POLUSHINA, N.A. [Polushyna, N.A.]

Economic significance of some small preying animals of the
musteline family in western provinces of the Ukrainian S.S.R.
[with summary in English]. Nauk.zap.Nauk.-pryrod.muz.AN URSR
6:139-146 '58. (MIRA 12:1)
(Ukraine--Zoology, Economic)

POLUSHINA, N.A.

Biology of polecats (*Mustela putorius* L.) in the western Ukraine.
Nauk.zap.Pryrod.muz.L'viv.fil.AN URSR 5:68-77 '56. (MLRA 10:5)
(Ukraine--Polecats)

ROZENBERG, G.Ya.; POLUSHINA, T.V.

Synthetic plasma substitute, polyglucin. Probl.gemat. i pered.
krovi 1 no.1:49-52 Ja-F '56. (MIR 14:1)

l. Iz Tsentral'nogo ordena Lenina instituta hematologii i pereli-
vaniya krovi (dir. - chlen-korrespondent AMN SSSR prof. A.A.
Bagdasarov) Ministerstva zdravookhraneniya SSSR.
(DEXTRAN)

BAGDASAROV, A.A., prof. [deceased]; AL'PERIN, P.M., prof.; KRUPYANKO,
V.Ye.; POLUSHINA, T.V. (Moskva)

Use of polyglucin in the treatment of edema. Klin.med. no.1:
(MIRA 15:1)
91-94 '62.

1. Iz TSentral'nogo ordena Lenina instituta hematologii i pereli-
vaniya krovi (dir. - deystvitel'nyy chlen AMN SSSR prof. A.A.
Bagdasarov [deceased]).
(DEXTRAN) (EDEMA)

blood vessels is noted. First of all in S the permeabi-
lity of vessel walls (VW) is disturbed, which leads to
the development of edema and manifestations of dystrophy,

APPROVED FOR RELEASE: 06/15/2000

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Abs Jour : Ref Zhur Biol., No 5, 1959, 22723

especially expressed in the brain, lungs, heart, liver, kidneys, adrenals. Then swelling and homogenization of VW take place and degenerative-necrobiotic changes in the internal organs. In late stages of the experiments, the condition of hypoxia develops and the morphological picture of shock conditions of various etiology becomes similar in many respects. In spinal S, VW become thicker and connective tissue develops according to the type of acellular sclerosis. There is no selective deposition of blood in separate vascular systems in traumatic S. The application of antishock measures prevented the development of late irreversible changes, but disorders of blood circulation and signs of VW destruction were observed just the same. -- Ya.Ye. Khesin